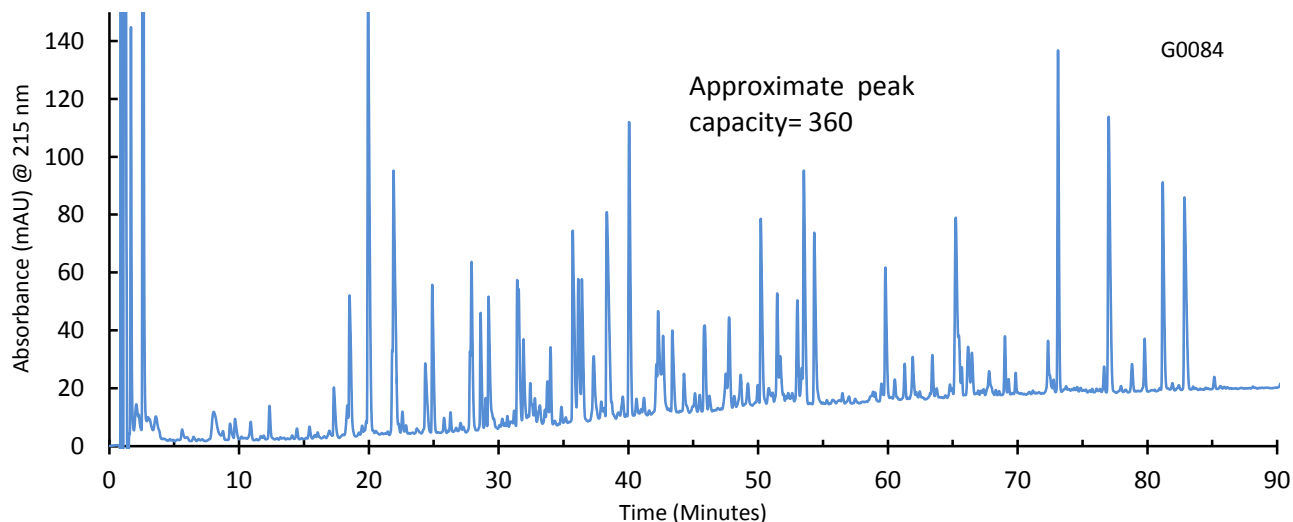


## Analysis of Apotransferrin Tryptic Digest on HALO Peptide ES-C18



### TEST CONDITIONS:

Columns: 2-Coupled 2.1 x 100 mm, HALO Peptide ES-C18, 2.7  $\mu$ m

Part Number: 92122-602

Starting Mobile Phase: 95/5: A/B

A= Water with 0.1% trifluoroacetic acid (TFA)

B= Water/Acetonitrile: (80/20) with 0.1% TFA

Gradient: 5% B to 60% B in 120 minutes

Flow Rate: 0.5 mL/min.

Pressure: 380 bar maximum

Temperature: 60° C

Detection: UV 215 nm, PDA

Injection Volume: 35  $\mu$ L

Sample Solvent: Mobile phase A

Response Time: 0.1 sec.

Flow Cell: 2  $\mu$ L micro cell

LC System: Agilent 1200 SL

Data rate: 40 Hz

This separation shows the separation of the products from a tryptic digest of apotransferrin on coupled HALO Peptide ES-C18 columns, (2.7  $\mu$ m) in less than 90 minutes. Two columns were coupled to increase the peak capacity.

The use of elevated temperature improves the peak sharpness and aids in resolution. The excellent stability of this phase at elevated temperature is a result of the use of a sterically protected silane in the stationary phase synthesis.